



Air Force Campaign Studies

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Studies List

- **Over 30 recent studies identified**
- **Analysis organizations represented**
 - **SWC/AE (now AFSPC/CVY)**
 - **AFSAA**
 - **SMC/XR**
 - **RAND**
- **Tools used**

• Thunder	• SMAT	• ISAAC
• Giant	• OSCARS	• CFAM
• SEAS	• EADSIM	• NSS
• STK	• STAMP	• JICM
		• RSAM



Key Measures

- **Effects of GPS jamming**
 - Jamming thresholds
 - Mitigation techniques
- **Calibration of campaign model**
 - Optimal architectures
 - Target lists
 - Launch turn around
 - Time to destroy target
 - Warning time
- **Traditional Terrestrial Outcomes**
 - Attrition, Time to win, Resources used (sorties, weapons, etc)



Common Themes

- **Two focus areas: GPS and ISR**
- **Indirect effects on campaign**
 - **Optimal collection plan or architecture**
 - **Munitions accuracy for PGM using GPS**
 - **Space augmentation to airborne ISR**
- **Exploratory studies**
 - **Determine recce and surveillance requirements**
 - **Gain insight into value of space-based platforms**
 - **Investigate space mission areas**



Recommendations

- **Identify and utilize sources of campaign analysis expertise**
- **Tie current model “deficiencies” to future development (JWARS ... and STORM, or NSS, or AWARS)**
- **Maintain the studies database**
- **Examine data sources and feeder models**
- **Need comprehensive plan to develop credible foundation for joint campaign analysis**